Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Application Number 10/642,430

Filing Date 08/15/2003

First Named Inventor Peter C. Williams

STATEMENT BY APPLICANT

(Use as many sheets as necessary)

First Named Inventor Peter C. Williams
Art Unit Examiner Name PRIMARY EXAMINER
Attorney Docket Number 22188/06671

Examiner Initials*	Cite No.¹	Document Number Number-Kind Code ^{2 (f known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Cil		US- 771682	10-04-1904	Sussman	
4		US- 4538842	09-03-1985	Kowal et al.	
1		US- 4538836	09-03-1985	Krutten	
		US- 4508374	04-02-1985	Kantor	
		US- 4293149	10-06-1981	Bonel	
		US- 4343456 ;	08-10-1982	Zitzloff	
		US- 3248136	04-26-1966	Brozek et al.	
		US- 4944534	07-31-1990	Kotyk	
		US- 3139293	06-30-1964	Franck	
		US- 4256334	03-17-1981	Bolsset et al.	
		US- 3290062	12-06-1966	Ziherl et al.	
		US- 4022497	05-10-1977	Kotsakis	
		US- 4192532	03-11-1980	Pacella	
1		US- 6102449	08-15-2000	Welsh	
		US- 4523256	06-11-1985	Small	
\top		US- 5163722	11-17-1992	Worden	
		US- 5114190	05-19-1992	Chalmers	
		US- 4169967	10-02-1979	Bachle	
EM.		US- 4033614	07-05-1977	Hanson	

ſ			FOREIG	GN PATENT DOCL	IMENTS		
	Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
			Country Code ³ "Number ⁴ "Kind Code ⁸ (# known)	MM-DD-YYYY		Or Relevant Figures Appear	T°
4	M	】,	EP-0583707-B1	03-20-1996	Anton Hummel Verwaltungs		Ш
-	t_1	Τ.	EP-0879980-A2	11-25-1998	EM-Technik GmbH		
	ď	7	EP-0940617-A2	09-08-1999	Insigne-Berg Groep B.V.		
[$-T_{-}$		JP-11325342-A2	11-26-1999	IHARA SCIENCE CORP	<u></u>	Ш
[·V		JP-51017219-A2	02-12-1976	TAKEMOTO YUSHI KK		Ш
إ-	711	<u>'</u>	JP-551559392-A2	12-11-1980	ЛЕІMUZU NEIRU HOORU		Ш

Examiner Signature Considered 3/17/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Mind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

Approved for use through 04/30/2003. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

22188/06671

aperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449/PTO

Examiner Name

Attorney Docket Number

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Application Number 10/642,430 Filing Date 08/15/2003 Peter C. Williams ERIC K. NICHOLSON First Named Inventor Art Unit Primary examiner

-			U. S. PATENT	DOCUMENTS	
Examiner nitials*	Cite No.1	Document Number Number-Kind Code ² (* known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, When Relevant Passages or Relevan Figures Appear
am		US- 6179348	01-30-2001	Okamoto	·
t_{\parallel}		US- 6173995	01-16-2001	Mau	·
		US- 6109660	08-29-2000	Akiyama et al	
	-	US- 6089620	07-18-2000	Mota Lopez et al.	
		US- 6045164	04-04-2000	Nishio	
		US- 6039361	03-21-2000	Meli	
		US- 6022053	02-08-2000	Hukuda	
		US- 6007112	12-28-1999	Kim	
		US- 5718459	02-17-1998	Davie et al.	
		US- 5711549	01-27-1998	Beans	
		US- 5658025	08-19-1997	Ridenour	
		US- 5607194	03-04-1997	Ridenour	
		US-15489127	02-06-1996	Anglin et al.	_
		US- 5439259	08-08-1995	Taga et al.	
·		US- 5240289	08-31-1993	Gottling et al.	
		US- 5074155	12-24-1991	Vecere	
		US- 5074599	12-24-1991	Wirbel et al.	
-¢		US- 4903942	02-27-1990	Licciardello et al.	
1111		US- 4739828	04-26-1988	Bayer et al.	

[FOREI	GN PATENT DOCU	MENTS		
	Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
			Country Code ³ "Number ⁴ "Kind Code ⁶ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T°
	long	•	EP-0309179-A1	03-29-1989	PARKER HANNIFIN CORP		Ш
	,	•	EP-0371063-B1	02-05-1992	GEORGE FISCHER CASTI		
[EP-0396367-B1	01-20-1993	PRICE PFISTER, INC.		Ш
		•	EP-0489289-B1	05-04-1994	PARKER-ERMETO GMBH		Ш
	V	•	EP-0523020-B1	02-28-1996	AB STACKE METALLARM		Ш
4	wi	,	EP-0528079-B1	03-30-1994	Aeroquip AG		Ш

Examiner Considered Signature

*EXAMINER: Initial if reference considered, whicher or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (MIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO	C	Complete if Known	
000000000000000000000000000000000000000	Application Number	10/642,430	
INFORMATION DISCLOSURE	Filing Date	08/15/2003	
	First Named Inventor	Peter C. Williams EPIC K. NICH	ni cui
STATEMENT BY APPLICANT	Art Unit		
(Use as many sheets as necessary)	Examiner Name	PRIMARY EX	amine

Attorney Docket Number | 22188/06671

U. S. PATENT DOCUMENTS Name of Patentee or Pages, Columns, Lines, Where **Publication Date** Examiner **Document Number** Cite MM-DD-YYYY Applicant of Cited Document Relevant Passages or Relevant Initials* No. Figures Appear Number-Kind Code² (F known) US-US-US US-USus-US-US. US. US-US-US-US-TIS. US-US-US-

Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines,	ĺ
No.	Country Code ³ "Number ⁴ "Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Or Relevant Figures Appear	T
	* JP-369026	10-30-1991	FUESTO KG		
	` JP-50149910-A2	12-01-1975	HITACHI LTD		
	€ GB-2259123-B	07-19-1995	VICTAULIC PLC		
,	✓ JP-6112886-A2	05-30-1986	TOYO VALVE KK		
					Γ
	No.	No. ¹ Country Code ² Number ⁴ 'Kind Code ⁵ (if known) "JP-369026 'JP-50149910-A2 "GB-2259123-B	No. 1 Date MM-DD-YYYY " JP-369026 10-30-1991 " JP-50149910-A2 12-01-1975 " GB-2259123-B 07-19-1995	Date MM-DD-YYYY	No.¹ Date MM-DD-YYYY Applicant of Cited Document Where Relevant Passages Or Relevant Figures Appear " JP-369026 10-30-1991 FUESTO KG " JP-50149910-A2 12-01-1975 HITACHI LTD " GB-2259123-B 07-19-1995 VICTAULIC PLC

	/ <u> </u>		
Examiner Signature	Man .	Date Considered	3/17/25

*EXAMINER: Initial if-reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁰ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

PTO/SB/08A (02-03)
Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under	the Paperwork Reduction A	ct of 1995, no persons are required to re	espond to a collection of informat	tion untess it contains a valid OMB control number.	
Subs	stitute for form 1449/PTO		Cor	mplete if Known	١
			Application Number	10/642,430	
IN	EODM ATION	DISCLOSURE	Filing Date	08/15/2003]
			First Named Inventor	Peter C. Williams	luai aan
\$7		Y APPLICANT	Art Unit	ERIC K. NIC	
	(Use as many she	ets as necessary)	Examiner Name	PRIMARY E	KAMINER
Chast		et	Attorney Docket Number	22188/06671	,

Examiner	Cito	Document Number	U. S. PATENT DO	Name of Patentee or	Pages Columns Lines 14thers
Initiats*	Cite No.1	Number-Kind Code ^{2 (f train)}	MM-DD-YYYY	Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	 -	US-			
	 	US-	 		
·		US-	1		
		US-			
	-	US-			
		US-			
		US-			
		US-			

		FORE	IGN PATENT DOCU	MENTS		
Examiner initiats*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ³ "Number ⁴ "Kind Code ⁵ (# known)	MM-DD-YYYY		Or Relevant Figures Appear	T ⁶
Cous		EP-0484091-A1	05-06-1992	CRAWFORD FITTING COI		
		✓EP-0751334-A1	01-02-1997	Guest		
i		€EP-0531068-A2	03-10-1993	VICTAULIC PLC		
		≠ EP-0762803-A1	03-12-1997	ADAM OPEL AG		
	i	, EP-0528079-A1	02-24-1993	Aeroquip AG		
Por		· EP-0581408-A1 ,	02-02-1994	GENERAL ELECTRIC COP		\prod

Examiner	Date	1	
Signature 1	Considered	3/17/15	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw time through citation if not in conformance and not considered, include oppy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

Approved for use through 04/30/2003, OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known Substitute for form 1449/PTO **Application Number** 10/642,430 Filing Date 08/15/2003 INFORMATION DISCLOSURE First Named Inventor Peter C. Williams eric K. Nigholson STATEMENT BY APPLICANT Art Unit (Use as many sheets as necessary) **Examiner Name**

Sheet		af		Attorney Docket Number	22188/06671	
			U. S. PATENT	DOCUMENTS		
Examiner (Initiats*	Cite No.1	Document Number Number-Kind Code ^{2 (F Incom)}	Publication Date MM-DD-YYYY	Name of Patentee of Applicant of Cited Docu		Relevant
INI	1	US- 3893716	07-08-1975	Moreiras et al.		
1 6	- (US- 3743324	07-03-1973	Schwarz et al.		
		^{US-} 3325192	06-13-1967	Sullivan		
		US- 3215457	11-02-1965	Teeters	•	
		US- 2693374	11-02-1954	Worzburger		
		^{US-} 2511134	06-13-1950	Stranberg		
		US- 2474178	06-21-1949	Wurzburger		
		US- 2179127	11-07-1939	Laver		
		US- 2165626	07-11-1939	Ford		
		US- 2152537	03-28-1939	Couty		
		US- 4458927	07-10-1984	Smith		
		^{US-} 3708186	01-02-1973	Takagi et al.		
		^{US-} 3684322	08-15-1972	Kotsakis		
		US- 3512812	05-19-1970	Kreidei et al.		
		US- 3326582	06-20-1967	Currie		
		^{US-} 3275350	09-27-1966	Kody et al.		
		US- 2579529	12-25-1951	Woodling		
V		^{US-} 2508763	05-23-1950	Mercier		
UM	T	US- 6279242	08-28-2001	Williams et al.		

		FORE	IGN PATENT DOCU	IMENTS		
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ³ "Number ⁴ "Kind Code ⁵ (# known)	MM-DD-YYYY		Or Relevant Figures Appear	T ^o
ans		► EP-1055859-A2	11-29-2000	Tokai Rubber Industries, Ltd		
1		WO-9934142-A1	07-08-1999	DAICEL CHEMICAL INDU		
		• JP-6174171-A2	06-24-1994	NIPPON PILLAR PACKING		
		≠ JP-40 69 488-A2	03-04-1994	FUROUERU:KK		
V		' JP-2001141169-A2	05-25-2001	NIPPON PILLAR PACKING		
lin		* EP-0638752-A1	02-15-1995	Park, Sil-Sang		

Examiner Date צם דו Considered Signature

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. *Applicant's unique citation designation number (optional). *See Kinds Codes of USPTO Patent Documents at or MPEP 901.04. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. *Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Crief Information Officer, U.S. Petent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

OF 16

PTO/SB/08A (02-03)

Approved for use through 04/30/2003, OMB 051-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to	o respond to a collection of informa	tion untess it contains a valid OMB control number.	,
Substitute for form 1449/PTO	Co	١	
	Application Number	10/642,430	
INFORMATION DISCLOSURE	Filing Date	08/15/2003	
	First Named Inventor	Peter C. Williams	
STATEMENT BY APPLICANT	Art Unit	ERIC K. NIC	HULSUN
(Use as many sheets as necessary)	Examiner Name	PRIMARY EX	AMINER
	Attorney Docket Number	22188/06671	,

Examiner	Cite	Document Number	Publication Date	DOCUMENTS Name of Patentee or	Pages, Columns, Lines, Where
Initials*	Cite No.	Number-Kind Code ^{2 (7 known)}	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
UM	\vdash	US- 6073976	06 12 2000	Schmidt et al.	
		00/39/0	06-13-2000		
uu		US- 4483555	11-20-1984	Ludwig	
		US-	. i	<u> </u>	<u> </u>
		US-			
		US-			
		US-	 		
		US-			
		US-			
		US-			
		US-	 		
		US-		, .	
		US-	1	<u> </u>	
		US-	1		
		US-			
		US-			
		US-	1		
-		US-			
		US-			1
		us-	1		1

		FORE	IGN PATENT DOCU	IMENTS		
Examiner Initiats*	Cite No.1		Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Cotumns, Lines, Where Relevant Passages Or Relevant Figures Appear	
			MM-DD-YYYY			T ⁶
-qu		. DE-4041679-A1	06-25-1992	Armaturenfabrik Hermann \		
1		° JP-2000110975-A2	04-18-2000	TAKEI KOJO:KK		
		JP-2001099337-A2	04-10-2001	KOMEI SEISAKUSHO:KK		П
		JP-11201347-A2	07-30-1999	NIPPON KOKAN PIPE FIT		
		JP-5712887	01-22-1987	Fajkeiko KK		
lu		* JP-4874317	09-14-1973	Nitto Koki KK		П

Examiner Signature	-1- V	Date Considered	3/17/01

"EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the emount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Petent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449/PTO **Application Number** 10/642,430 Filing Date 08/15/2003 INFORMATION DISCLOSURE First Named Inventor Peter C. Williams eric K. Nicholson STATEMENT BY APPLICANT Art Unit (Use as many sheets as necessary) **Examiner Name** 22188/06671 Attorney Docket Number

Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
nitiats*	Cite No.1	Number-Kind Code ^{2 (F troom)}	MM-DD-YYYY	Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-			
		US-	†		
		US-	† <u>†</u>		
		US-			
		US-			
		US-	1		
		US-			
		US-			
		US-	1		
		US-			
	· · · · · ·	US-	1		
		US-			
		US-			
	<u> </u>	US-			
		US-			
	<u> </u>	US-	1		
		US-	1		
		US-	1	· · · · · · · · · · · · · · · · · · ·	
	 	US-	1		1

		FOREIG	N PATENT DOCU	IMENTS		
Examiner Initiats*	Cite No.1		Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ³ "Number ⁴ "Kind Code ⁸ (If Innown)	ber ⁴ "Kind Code ⁸ (# known)		Or Relevant Figures Appear	T ⁶
411		• JP-5621679	02-26-1981	Hitachi Kinzoku KK		
-6		' JP-461462	01-19-1971	Nitta Belt KK		
7		* JP-57202084	12-22-1982	Yaei Kagako Kogyo KK		
		. JP-56124787-A2	09-30-1981	RUI MARUTERI		
		• JP-63231086-A2	09-27-1988	TOHO KASEI KK		
gu		· JP-60139988-A2	07-24-1985	ETEKK		

Examiner Signature	Um	NI	4	Date Considered	3/17	las	_

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if first in conformance and not considered, include obey-of this form with next communication to applicant, *Applicant's unique citation designation number (optional), *See Kinds Codes of USPTO Patent Documents at or MPEP 901.04. *Enter Office that issued the document, by the two-tetter code (WIPO Standard ST.3), *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. *Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gethering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, OC 20231.

8 OF 16

PTO/SB/08A (02-03)

Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE

Substitute for form 1449/PTO

STATEMENT BY APPLICANT
(Use as many sheets as necessary)

Application Number 10/642,430
Filling Date 08/15/2003
First Named Inventor Peter C. Williams

Art Unit Examiner Name
Attorney Docket Number 22188/06671

Perer C. Williams
ERIC K. NICH DLSON
PRIMARY EXAMINER

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (f known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
IM		US- 3992043	11-16-1976	Whitley	
V .		US- 4136896	01-30-1979	Rodman et al.	
		US- 3736008	05-29-1973	Crawford	
		US- 6168211	01-02-2001	Schorn-Gilson	
		US- 5954375	09-21-1999	Trickle et al.	
		US- 5716082	02-10-1998	Vogel et al.	
		US- 5335946	08-09-1994	Dent et al.	
		US- 5193616	03-16-1993	Hynes	
		US- 4940263	07-10-1990	Mayernik	
		US- 4890867	01-02-1990	Briggs et al.	
		US- 4789759	12-06-1988	Jones	· - ·
		US- 4647086	03-03-1987	Maxwell et al.	
		US- 4541537	09-17-1985	Sailor	
1		US- 4529231	07-16-1985	Greenawalt	
		US- 4304422	12-08-1981	Schwarz	
		US- 4136897	01-30-1979	Haluch	
		US- 4037864	07-26-1977	Anderson et al.	
A		US- 3970337	07-20-1976	Niemeyer	
MM.		US- 3895832	07-22-1975	Ellis et al.	

\Box			FORE	IGN PATENT DOCL	JMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages		
			Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T°
1	11		WO-9832999-A1	07-30-1998	SWAGELOK MARKETING		
	7	•	WO-9846925-A1	10-22-1998	SWAGELOK MARKETING		
	T	,	EP-0863354-A1	09-09-1998	Armaturenfabrik Hermann \		
		•	WO-9924750-A1	05-20-1999	GLYNWED PIPE SYSTEMS		
	←		WO-8912190-A1	12-14-1989	WEBER		\square
4	m		WO-9707356-A1	02-27-1997	FRÖHLICH		

Examiner Signature Considered 7 /17/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Nind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449/PTO **Application Number** 10/642,430 Filing Date 08/15/2003 INFORMATION DISCLOSURE First Named Inventor Peter C. Williams eric K. Nicholson STATEMENT BY APPLICANT Art Unit PRIMARY EXAMINER (Use as many sheets as necessary) **Examiner Name** Attorney Docket Number | 22188/06671

Examiner	Cite No.1	Document Number	U. S. PATENT DO Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant	
Initials*	No.'	Number-Kind Code ^{2 (# known)}	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear	
		US-				
		US-				
		US-				
		US-				
		US-				
		US-	 			
		US-	+			
	-	US-	 	_ · ·	-	
		US-				
		US-				
		US-			-	
		US-				
		US-		<u></u>		
		US-		·		
		US-	- 			
		US-				
		US-	 			
		US-	+			
		US-	 			

1				FOREI	GN PATENT DOCL	MENTS					
	Examiner Initials*		Cite No.1	Cite No.1			Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
				Country Code ³ "Number ⁴ "Kind Code ⁶ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	10			
4	GW	1		. JP-3288091-A2	12-18-1991	FUJITSU LTD et al.		L			
Ì	1	\Box		• JP-7243564-A2	09-19-1995	ZEXEL CORP					
Ī	\neg			- JP-200199360	04-10-2001	Komei Seisakusho KK					
	\mathcal{I}			+JP-2000170966-A2	06-23-2000	MIKUNI PLAST KK		Ш			
[4			↑ JP-50149910-A2	12-12-1975	Shirai Kokusai Sangyo KK					
4	41	1		, JP-61105391-A2	05-23-1986	NIPPON PILLAR PACKING		$oxed{oxed}$			

Examiner Considered IDS Signature

*EXAMINER: Initial (reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete. including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO	C	omplete if Known	\
390311110-101 10-111 1-1-10	Application Number	10/642,430	ľ
INFORMATION DISCLOSURE	Filing Date	08/15/2003	1
	First Named Inventor	Peter C. Williams ERIC K. NICH	lai can
STATEMENT BY APPLICANT	Art Unit	ERIC K. MICH	กรอกผ
(Use as many sheets as necessary)	Examiner Name	PRIMARY EX	aminer

Attorney Docket Number | 22188/06671 Sheet **U. S. PATENT DOCUMENTS** Name of Patentee or Pages, Columns, Lines, Where Publication Date Examiner Cite Document Number No. MM-DD-YYYY Applicant of Cited Document Relevant Passages or Relevant Initials' Figures Appear Number-Kind Code² (f known) US-Schmidt et al. 6073976 06-13-2000 US-4586731 05-06-1986 Castrup 3923323 12-02-1975 Brogan US- 3319293 05-16-1967 Gollos 3025084 03-13-1962 Franck US- 2641489 06-09-1953 Hedberg US- 2553981 05-22-1951 Richardson US- 2544109 03-06-1951 Richardson US- 2497274 02-14-1950 Richardson US- 2460621 Courtot 02-01-1949 US- 2450170 09-28-1948 Smith US- 2127611 08-23-1938 Mueller US- 1889778 12-06-1932 Dobrick US- 1927464 09-19-1933 McIntosh US- 1755210 05-22-1930 Dohner US- 2139413 Kreidel 12-06-1938 US- 2738994 Kreidel et al. 03-20-1956 US- 2406488 Brock 08-27-1946

			FORE	IGN PATENT DOCL	IMENTS		
Examiner Initials*		Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
			Country Code ³ "Number ⁴ "Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T⁰
411		,	WO-9324780-A1	12-09-1993	THE DEUTSCH COMPANY		
1	7	1	GB-2258897-A	02-24-1993	RUSKA LABORATORIES, 1		
		•	JP-5666586-A2	06-05-1981	ERUMETO ARUMATOURI		
		•	JP-59006488-A2	01-13-1984	FUJI KINZOKU KOUSAKU		
			WO-8804385-A1	06-16-1988	GEORGE FISCHER CASTI		
110	١.	•	WO-9743571-A1	11-20-1997	ILE.Scaron.I.Ccaron., Peter		

02-18-1958

2823935

Wurzburger

Examiner Signature Considered 3/17/05

*EXAMINER: Initial/if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

PTO/SB/08A (02-03)
Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patient and Tradamark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required	d to respond to a collection of informa	tion unless it contains a valid OMB control number.	
Substitute for form 1449/PTO	Co	١	
	Application Number	10/642,430	
INFORMATION DISCLOSURE	Filing Date	08/15/2003	
	First Named Inventor	Peter C. Williams	
STATEMENT BY APPLICANT	Art Unit	EHIÇ K. NIÇI	OLSON
(Use as many sheets as necessary)	Examiner Name	PRIMARY EX	MINFR
	Attorney Docket Number	22188/06671	/ · · · · · · · · · · · · · · · · · · ·

			U. S. PATENT D		
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (Vision)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	 	US-	 		
	├	US-	 		
	-	US-	- 		
		US-		 	
	 	US-		 	
	ļ	L	1	· · · · · · · · · · · · · · · · · · ·	
	<u> </u>	US-			
		UŞ-			
		US-			
		US-			
		US-			
	Ì	US-			
		US-	1 1		
		US-		······	
<u>-</u>	<u> </u>	us-	1		
	1	US-	 		1

			FORE	GN PATENT DOCU	MENTS		
	caminer nitiats*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentise or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	П
L			Country Code ³ "Number ⁴ " Kind Code ⁵ (# knawn)	MM-DD-YYYY		Or Relevant Figures Appear	T°
10	pu		EP-0224188-A1	06-03-1987	MITSUI & CO., LTD.		
	7		" WO-0173333-A1	10-04-2001	SWAGELOK COMPANY		
			' WO-8400796-A1	03-01-1984	IWANICKI		
			• JP-2000097377-A2	04-04-2000	CKD CORP		
	Ţ		► GB-2080900-A	02-10-1982	WAVERLEY COMPONENT		
F	y		- GB-2032555-A	05-08-1980	NORMARK O		

Examiner Signature	-tym VI	u	Date Considered	3/17/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. *Applicant's unique citation designation number (optional). *See Kinds Codes of USPTO Patent Documents at or MPEP 901.04. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. *Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will avery depending upon the individual case. Any comments on the emount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

eric K. Nicholson

PRIMARY EXAMINER

Sheet

PTO/SB/08A (02-03)

Approved for use through 04/30/2003. OMB 0551-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

perwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known

Application Number 10/642,430 Filing Date 08/15/2003 First Named Inventor Peter C. Williams Art Unit

STATEMENT BY APPLICANT (Use as many sheets as necessary)

1058542

791905

INFORMATION DISCLOSURE

Examiner Name Attorney Docket Number | 22188/06671

U. S. PATENT DOCUMENTS Pages, Columns, Lines, Where Examiner **Document Number Publication Date** Name of Patentee or **Applicant of Cited Document** Relevant Passages or Relevant MM-DD-YYYY Initials* Figures Appear Number-Kind Code² (F known) US-3580617 05-25-1971 Ehrenberg et al. 2755110 07-17-1956 Jacpbs US-3195933 07-20-1965 Jacobs US-3006558 10-31-1961 Jacobs บร-3977708 08-31-1976 Jopp US- 4133565 Shutt 01-09-1979 US- 4133312 01-09-1979 Burd US- 4072328 02-07-1978 Elliott US- 4076286 02-28-1978 Spontelli US-4026581 05-31-1977 **Pasbrig** 3695647 10-03-1972 Pugliese US-Haldopoulos et al. 3565467 02-23-1971 US-3454290 07-08-1969 Tairraz US-3445128 05-20-1969 Teeter's US- 3379461 Davis 04-23-1968 US- 2768845 10-30-1956 Samiran US- 2544108 03-06-1951 Richardson

			FORE	IGN PATENT DOCL	IMENTS		
Examiner Initials*		Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
			Country Code ³ Number ⁴ Kind Code ⁸ (# known)	MM-DD-YYYY		Or Relevant Figures Appear	14g
GIV	U		EP-0034493-A2	08-26-1981	GOULD INC.		
		•	EP-1020675-A1	07-19-2000	F.X. Bachmann AG		
			EP-1033518-A1	09-06-2000	GLYNWED PIPE SYSTEM!		
\Box		*	EP-0118656-B1	06-11-1986	Firma Franz Viegener II		
V		•	EP-0205170-A2	12-17-1986	Hewlett-Packard GmbH		
Tu		-	EP-0285677-B1	12-02-1992	MANIBS Spezialarmaturen t		

Brown

Higginbotham

04-08-1913

06-06-1905

Date Examiner Considered Signature.

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English tanguage

This collection of Information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Complete if Known

Application Number | 10/642,430 |
Filing Date | 08/15/2003 |
First Named Inventor | Peter C. Williams

Art Unit | ERIC K. NICHOLSON

(Use as many sheets as necessary)

Examiner Name
PRIMARY EXAMINER

Sheet

Of
Attorney Docket Number 22188/06671

			U. S. PATENT	DOCUMENTS	
Examinar Initiats*	Cite No.1	Document Number Number-Kind Code ² (* known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
PILL		US- 5134676	07-28-1992	Boillot et al	
tit		US- 5823256	10-20-1998	Moore	
		US- 6361083	03-26-2002	Riesselmann et al.	
		US- 6123364	09-26-2000	Inoue et al.	·
		US- 5961160	10-05-1999	Frolich	
		US- 4682797	07-28-1987	Hildner	
		US- 4655485	04-07-1987	Albrecht et al.	
		US- 4500117	02-19-1985	Ayers et al	
		US- 4309050	01-05-1982	Legris	
		US- 3857591	12-31-1974	Voss	
		US- 3167333	01-26-1965	Hall et al.	·
		US- 2561648	07-24-1951	Bradley	
		US- 2452276	10-26-1948	Woodling	
		US- 2284216	05-16-1942	Kunkel	
		US- 2150042	03-07-1939	Shultz	
		US- 2083091	06-08-1937	Rector	
		US- 1983840	12-11-1934	Dohner	
7		US- 1334130	03-16-1920	Blanchard	
lon		US- 5351998	10-04-1994	Behrens et al.	

		FORE	IGN PATENT DOCL	JMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
1		Country Code ³ Number ⁴ 'Kind Code ⁵ (# known)	MM-DD-YYYY		Or Relevant Figures Appear	T
UN	•	JP-4429659	12-08-1969	Sanko KK		
ı	,	JP-513917	01-13-1976	Taiyo Kinzoku KK		
,1	- 1	JP-55181082	12-26-1980	Tokyo Shibaura Denki KK		L
	•	EP-441676-B1	06-05-1996	RADIALL Société anonyme 1		
7		WO-9423234-A1	10-13-1994	SALYERS		
Im		JP-U3069026	05-30-2000	TOKYO KOKEN KK		

Examiner Signature Considered 3/17/05

*EXAMINER: Initial if reference considered, whether or not cliation is in conformance with MPEP 609. Draw line through cliation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique cliation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Niting of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. Applicant is to place a check mark here if English language Translation is attached.

Traisation is addition. This collection of Information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/PTO		Complete if Known
	Application Number	10/642,430
INFORMATION DISCLOSUR	Filing Date	08/15/2003
STATEMENT BY APPLICAN	First Named Inventor	Peter C. Williams
	Art Unit	ERIC K. NICHOLSO
(Use as many sheets as necessary)	Examiner Name	PRIMARY EXAMINE
Sheet of	Attorney Docket Number	22188/06671

Examiner Initials*	Cite No. ¹	NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
Con	•	PARKER HANNIFIN CORPORATION, Suparcase, The Invisible Breakthrough, Parker Suparcase Promotion Folder, Parker Hannifin Corporation, Huntsville, AL.	
	•	PARKER HANNIFIN CORPORATION, Parker Suparcase Process Hardens Stainless Steel to Become More Resistant to Corrosion, News Release, Parker Hannifin Corporation, Huntsville, AL.	
+	,	PARKER HANNIFIN CORPORATION, Engineering Report - Ferrule Design Suparcase, Parker Suparcase Bulletin, 4230-B15.1, Parker Hannifin Corporation, Huntsville, AL.	
Gur		PARKER HANNIFIN CORPORATION, Parker Suparcase, A Proprietary Process for the Hardening of Stainless Steel Ferrules, Parker Suparcase Bulletin, March 1993, 4230-B15.3, Parker Hannifin Corporation, Huntsville, AL.	
 			
-			·

Examiner Signature	Mth	Date Considered	3/17/05

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include coby of Likis form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to piace a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known Substitute for form 1449/PTO **Application Number** 10/642,430 Filing Date 08/15/2003 INFORMATION DISCLOSURE First Named Inventor Peter C. Williams STATEMENT BY APPLICANT Art Unit ERIC K. NICHOUSON (Use as many sheets as necessary) **Examiner Name** 22188/0667 **Attorney Docket Number**

			U. S. PATENT D	OCUMENTS			
Examiner Initials*	Cite No.1	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number-Kind Code ^{2 (7 known)} US-			r gures repeat		
		05-					
		U\$-					
		US-					
		US-					
		US-					
		US-					
		US-					
		US-					
		US-					
		US-					
		US-					
	 	US-					
		US-					
		US-	<u> </u>	•			
		US-					
		US-	† <u>-</u>	· · · · · · · · · · · · · · · · · ·			
	 	US-	 		1		
		US-	†	- · · · · · · · · · · · · · · · · · · ·			
		US-	- 		 		

			FOREIGI	N PATENT DOCU	MENTS		
	xaminer ritiats*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
L			Country Code ³ "Number ⁴ "Kind Code ³ (If known)	MM-DD-YYYY		Or Relevant Figures Appear	T ⁶
-	إبل		· EP-0895014-A2	02-03-1999	Parker Hannifin GmbH		
			• WO-8909904-A1	10-19-1989	NORDS VERKSTADS AKTI		
			. WO-9325837-A1	12-23-1983	LEHMANN, Klaus-Dieter		
	Ů,		• WO-9714905-A1	04-24-1997	AVESTA NORDS AKTIEBO		
			• WO-0120214-A1	03-22-2001	SWAGELOK COMPANY		
-12	wi		- JP-61099790-A2	05-17-1986	FUJI SEIKOU KK		

		<u> </u>	/		
Examiner		1/	>11.	Date	
Signature T	-	. 4	///	Considered	5/17.18g
				 	7/10

*EXAMINER: Initially reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include cupy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of Information is required by 37 CFR 1.97 and 1.98. The Information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the emount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Tratemark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

16 OF 16

PTC/SB/08A (02-03)
Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

_	Under the Paperwork	Reduction Act of 1995, no persons are require	ed to respond to a collection of informa	tion unless it contains a valid OMB control number.	•
	Substitute for form	1449/PTO	Co	mplete if Known	\
			Application Number	10/642,430	1
	INFORM	ATION DISCLOSURE	Filing Date	08/15/2003	1
			First Named Inventor	Peter C. Williams	1
		ENT BY APPLICANT	Art Unit	ERIC K NI	THOLSON
	(Use a	s many sheets as necessary)	Examiner Name	PRIMARY E	KAMINER
	Sheet	of	Attorney Docket Number	22188/06671	A COMMENT

Examiner	Cito	Document Number	U. S. PATENT D	Name of Patentse or	Donne Column Line 1915
Initials*	Cite No.	Number-Kind Code ^{2 (V Innex)}	MM-DD-YYYY	Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
;		US-	T		
		US-			
···		US-			
		US-			
		US-			-
		US-		·	
		US-		· · · · · · · · · · · · · · · · · · ·	
		US-		·	
		US-			
		US			
		US-			
		US-			
		US-			
		US-			
		US-			
·		US-			
		US-	†		
		US-	1		
		US-	1	-,	

		FOREIGN	PATENT DOCL	IMENTS		
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ³ "Number ⁴ "Kind Code ⁸ (# known)	MM-DD-YYYY		Or Relevant Figures Appear	T⁰
		'KR-200239292	07-09-2001			
		KR-19920008397	05-25-1992			
•		. KR-20010006382	01-26-2001			
		• KR-19930006359	04-21-1993			
		JP-1054599-B4	11-20-1989	NIPPON PILLAR PACKING		
		∙ JP-4023157-B4	04-21-1992	TOHO KASEI KK		

Examiner Signature	Mul	Date Considered	3/11/03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanesse patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Petent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

*/ of Z

FB 17 MM S

PTO/SB/08A (08-03) Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE or the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Sheet 1

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known					
Application Number	10/642,430				
Filing Date	August 15, 2003				
First Named Inventor	Peter C. Williams				
Art Unit	3679				
Examiner Name	Erik K. Nicholson				
Attorney Docket Number	22188/06671				

		<u> </u>		DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (Finner)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevan Figures Appear
MO	,	^{US-} 6,131,963	10/17/00	Kuhns et al.	
7		US-			
		US-			
		US-			
	-	US-			
_		US-			
		US-		-	
		US-			
•		US-	<u> </u>		
		US-			
		US-			
		US-	†		
	l	US- (
_		US-	- 		
		US-			

		FORE	IGN PATENT DOCL	JMENTS		
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	70
		Country Code ³ "Number ⁴ "Kind Code ⁵ (# known)	MM-UU-TTTT		Or Relevant Figures Appear	<u>l'</u>
1110		WO 02/063195	08/15/02	Swagelok		
						L

Examiner Signature Date Considered 3 17 0

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if no in conformance and not considered. Include begg- of this form with next communication to applicant. Applicant's unique citation designation number (optional). *See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Form of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. *Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

#20E2

PTO/S9/08B (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitu	te for form 1449/PTO				Complete if Known
				Application Number	10/642,430
INF	ORMATION	DIS	CLOSURE	Filing Date	August 15, 2003
STA	ATEMENT B	Y A	PPLICANT	First Named Inventor	Peter C. Williams
	(Use as many she	ate ae e	acaeeand	Art Unit	3679
	(030 as many and	VIS 03 11		Examiner Name	Erik K. Nicholson
Sheet	2	of	2	Attorney Docket Number	22188/06671

Examiner Initials*	Cite No.1	NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue
		number(s), publisher, city and/or country where published.
jue,		International Search Report for PCDT/US2004/026096.
/		
	L	1

Signature Considered Considered Whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

considered. Include copy of this form with next-communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to piace a check mark here if English language Translation is attached.

This collection of Information is required by 37 CFR 1.98. The Information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting in the completed application form to the USPTO. Time will vary depending upon the Individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: